

WHAT IS CLAIMED IS:

1. A receiver, comprising:

at least two antennas for receiving broadcast waves;
signal amplifiers for amplifying signals that have been

5 respectively received by said at least two antennas;

a signal superposing part for superposing signals that
have been amplified by said signal amplifiers to produce an
output signal;

10 a demodulating/reproducing part for demodulating the
output signal of said signal superposing part and reproducing
reception information included in said broadcast waves; and

a control part for performing a control operation to
reduce a number of signals in said output signal when
reproduction quality of the reception information has
15 deteriorated.

2. A receiver, comprising:

at least two antennas for receiving broadcast waves have
a common content;

20 signal amplifiers for amplifying signals that have been
respectively received by said at least two antennas;

a signal superposing part for superposing signals that
have been amplified by said signal amplifiers to produce an
output signal;

25 a demodulating/reproducing part for demodulating the
output signal of said signal superposing part and reproducing
reception information included in said broadcast waves; and

a control part for performing a control operation to

exclude signals with high noise level that have been output by said signal amplifiers from said output signal when reproduction quality of the reception information has deteriorated.

5 3. A receiver, comprising:

at least two antennas for receiving broadcast waves from a plurality of broadcasting systems, the plurality of broadcasting systems including a first group of at least one broadcasting system for which said broadcast waves are being reproduced, and second group of remaining broadcasting systems;

10 signal amplifiers for amplifying signals that have been respectively received by said at least two antennas;

15 a signal superposing part for superposing signals that have been amplified by said signal amplifiers to produce an output signal;

20 a demodulating/reproducing part for demodulating the output signal of said signal superposing part and reproducing reception information included in said broadcast waves; and

25 a control part for performing a control operation to exclude at least one signal received from the second group of broadcasting systems, from said output signal when reproduction quality of the reception information has deteriorated.

4. A receiver, comprising:

at least two antennas for receiving broadcast waves for a program having a common content from a plurality of broadcasting systems;

signal amplifiers for amplifying signals that have been

respectively received by said at least two antennas;

a signal superposing part for superposing signals that have been amplified by said signal amplifiers to produce an output signal;

5 a demodulating/reproducing part for demodulating the output signal of said signal superposing part and reproducing reception information included in said broadcast waves; and

a control part for performing a control operation to exclude at least one of

10 (i) signals with a high noise level that have been output by said signal amplifiers, and

(ii) signals output by said signal amplifiers for broadcasting systems whose signal quality has deteriorated, from said output signal when reproduction quality of the
15 reception information has deteriorated.

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